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1c525 U.S. PTO  
09/39/967  
09/17/99

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September 17, 1999

WRITER'S DIRECT NUMBER:

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INTERNET ADDRESS:

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**BOX: PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
(Continuation Application from Appl. 08/665,574; Filed: June 18, 1996)  
Appl. No. *To be assigned*; Filed: Herewith  
For: **Jak Kinases and Regulation of Cytokine Signal Transduction**  
Inventors: Ihle *et al.*  
Our Ref: , 0656.0370004/SLF/LBB

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

- ~~1. PTO Utility Patent Application Transmittal Form (PTO/SB/05) (in duplicate);~~
2. U.S. Utility Patent Application entitled:

**JAK KINASES AND REGULATION OF CYTOKINE  
SIGNAL TRANSDUCTION**

and naming as inventors:

James IHLE  
Bruce A. WITTHUHN  
Ferderrick W. QUELLE  
Ollie SILVENNOINEN

The PTO did not receive the following  
listed item(s) 1 Return post card

Assistant Commissioner for Patents  
September 17, 1999  
Page 2

the application consisting of:

- a. A specification containing:
  - (i) 132 pages of description prior to the claims;
  - (ii) 5 pages of claims (31 claims);
  - (iii) 30 pages of sequence listing;
  - (iv) 1 page of abstract;
- b. 30 sheets of drawings: (Figures 1A-13A-D);
- c. A copy of the executed Declaration, as filed in U.S. Appl. No. 08/282,012;
3. PTO Fee Transmittal Form PTO/SB/17 (*in duplicate*);
4. Preliminary Amendment;
5. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);
6. SKG&F Check No. 25312 for \$1,042.00 to cover \$760.00 for filing fee for patent application, \$126.000 for claims in excess twenty and \$156.00 for independent claims in excess three; and
7. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Assistant Commissioner for Patents  
September 17, 1999  
Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Laurence B. Purgush

Lawrence B. Bugaisky  
Attorney for Applicants  
Registration No. 35,086

LBB/ybh

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SKGF ver. 9/22/98dcw

Please type a sign(+) inside th



PTO/SB/05 (2/98)

Patent and Trademark Office for use through 09/30/2000. OMB 0651-0032

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR § 1.53(b))		<b>Attorney Docket No.</b> 0656.0370004/SLF/LBB
		<b>First Inventor or Application Identifier</b> IHLE et al.
<b>Title</b>	<b>JAKE KINASES AND REGULATION OF CYTOKINE SIGNAL TRANSDUCTION</b>	
<b>Express Mail Label No.</b>		

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages 168 ]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 30 ]
4. ☒ Oath or Declaration [Total Pages 2 ]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below]
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☒ Paper Copy (as originally filed in the parent application)
  - c. ☐ Statement verifying identity of above copies

<b>ACCOMPANYING APPLICATION PARTS</b>	
8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
9. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee)	<input type="checkbox"/> Power of Attorney
10. <input type="checkbox"/> English Translation Document (if applicable)	
11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Copies of IDS Citations
12. <input checked="" type="checkbox"/> Preliminary Amendment	
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
14. <input type="checkbox"/> *Small Entity Statement(s) (PTO/SB/09-12)	<input type="checkbox"/> Statement filed in prior application, Status still proper and desired
15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
16. <input checked="" type="checkbox"/> Other: 37 C.F.R. § 1.136(a)(3) Authorization	
<input type="checkbox"/> Other:	
*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).	

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☒ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No. 08/665,574

Prior application information: Examiner Hauda, K. Group/Art Unit: 1632

**18. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

<b>NAME</b>	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.				
	Attorneys at Law				
<b>ADDRESS</b>	Suite 600, 1100 New York Avenue, N.W.				
<b>CITY</b>	Washington	<b>STATE</b>	DC	<b>ZIP CODE</b>	20005-3934
<b>COUNTRY</b>	USA	<b>TELEPHONE</b>	(202) 371-2600	<b>FAX</b>	(202) 371-2540

<b>NAME (Print/Type)</b>	Lawrence B. Bugaisky	<b>Registration No. (Attorney/Agent)</b>	35,086
<b>SIGNATURE</b>	<i>Lawrence B. Bugaisky</i>	<b>Date</b>	September 17, 1999

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**FEE TRANSMITTAL**

for FY 1999

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

**Complete if Known**

Application Number	To be assigned
Filing Date	Herewith
First Named Inventor	IHLE et al.
Examiner Name	To be assigned
Group / Art Unit	To be assigned
Attorney Docket Number	0656.0370004/SLF/LBB

TOTAL AMOUNT OF PAYMENT (\$1,042.00)

**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number: 19-0036  
Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

- ☒
- Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

- 2.
- ☒
- Payment Enclosed:
- ☒
- Check No. 25392

☐ Money Order ☒ Other\*  
\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	760	201	380	Utility filing fee	\$760.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) 760.00

**2. EXTRA CLAIM FEES**

	Extra	Fee from below	Fee Paid
Total Claims 27 - 20** = 7 X 18 =			126.00
Indep. Claims 5 - 3** = 2 X 78 =			156.00
Multiple Dependent			

\*\* or number previously paid, if greater; For Reissues, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependant claim
108	78	209	39	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 282.00

**3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second month	
117	870	217	435	Extension for reply within third month	
118	1,360	218	680	Extension for reply within fourth month	
128	1,850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,210	241	605	Petition to revive - unintentional	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify):

Other fee (specify):

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name	Lawrence B. Bugaisky	Reg. Number	35,086
Signature	Lawrence B. Bugaisky	Date	September 17, 1999
		Deposit Acct. User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1c525 U.S. PTO  
09/39/967  
09/17/99

In re application of:

IHLE *et al.*

Appl. No. *To be assigned*

Filed: Herewith

For: **Jak Kinases and Regulation of  
Cytokine Signal Transduction**

Art Unit: *To be assigned*

Examiner: *To be assigned*

Atty. Docket: 0656.0370004/SLF/LBB

**Authorization To Treat A Reply As Incorporating An Extension Of Time  
Under 37 C.F.R. § 1.136(a)(3)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Lawrence B. Bugaisky  
Attorney for Applicants  
Registration No. 35,086

Date: September 17, 1999

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